CONTENTS

MARCH

3 *Editorial* — Susan K. MARTIN
6 *Guest Editorial* — Robert WEDGEWORTH
8 *Automated Serials Control: Cataloging Considerations* — Mary SAUER
19 *Serials Data Control: Current Problems and Prospects* — Paul FASANA
34 *Building a Serials Key Word Index* — Walter C. CRAWFORD
48 *The Catalog: Its Nature and Prospects* — Mary Kay DANIELS GANNING
67 *Bylaws of the ISAD Sections*
73 *Proposed Amendments to Bylaws of the Information Science and Automation Division*
75 *Technical Communications*
77 *News and Announcements*
82 *Book Reviews*

JUNE

87 *Guest Editorial* — Murray S. MARTIN
89 *Data Element Statistics for the MARC II Data Base* — Martha E. WILLIAMS and Gordon J. SHEFNER
101 *Automated Text Editing: The State of the Art and Its Implications for Libraries* — William SAFFADY
117 *Computer Simulation: A Tool for Analysis of Library Service* — Mary Jane Pobst REED
137 *ISDS, ISBD(S), and ISBD(M) as Cataloging Aids* — Hendrik D. L. VERVLIET
145 *Automated Network Catalog Products and Services* — Maurice J. FREEDMAN
156 *Highlights of ISAD Board Meetings*
167 *Technical Communications*
177 *News and Announcements*
180 *Input*
181 *Book Reviews*
186 *Instructions to Authors*

SEPTEMBER

193 *Guest Editorial* — Joseph A. ROSENTHAL

195 *The Cost of On-Line Bibliographic Searching* — Michael D. COOPER and Nancy A. DEWATH

210 *A Performance Prediction Model for Bibliographic Search for Monographs Using Multiple Regression Technique* — Abdul RAOUF Feroz AHMED and Syed M. ASAD

222 *Survey of Data Collection Systems for Computer-Based Library Circulation Processes* — Patti Sue FOIL and Bradley D. CARTER

234 *The Application of the Instructional Development Process to a Module on Flowcharting* — Edward John KAZLAUSKAS

245 *Highlights of ISAD Board Meetings*

259 *Technical Communications*

263 *News and Announcements*

271 *Book Reviews*

DECEMBER

279 *The Automated Authority Subsystem at the National Library of Canada* — Edwin J. BUCHINSKI William L. NEWMAN and Mary Joan DUNN

299 *The Future of Cable Communications in Libraries* — Brigitte L. KENNEY

318 *An Improved Title Word Search Key for Large Catalog Files* — Lawrence K. LEGARD and Charles P. BOURNE

328 *System to Manage Reserve Texts (SMART)* — Paladugu V. RAO and Carole B. JONES

335 *Patron Appraisal of Computer-Aided On-Line Bibliographic Retrieval Services* — Ryan E. HOOVER

351 *Technical Communications*

353 *News and Announcements*

358 *Input*

360 *Book Reviews*

363 *Index to Volume 9*

Accutext System, 106
Acquisitions system, 357
Acronyms and Initialisms of Library Networks (Review), 271–72
Addressograph-Multigraph circulation system, 223, 230
Ahmed, Feroz (See Raouf)
ALA, relationship to ISAD, 3–7
ALA Divisional Interests Special Committee (DISC), 156–57, 164–65, 246–47
ALA Library Instruction Round Table (proposed), 251
ALA Metric Conversion Standards Task Force, 258
ALA Planning Committee Project, 162
ALA Rules for Filing Catalog Cards, 140–43
America: History and Life, 355–56
American Bibliographical Center—CLIO, 355–56
American Federation of Information Processing Societies (AFIPS), 78
  ISAD membership (proposed), 248
American National Standards Institute (ANSI), 351–52
Andre, Pamela, 173
Anglo-American Cataloging Rules (AACR), 22–23, 30–32
  Chapter 12, use by Library of Congress, 265
ANSI Opposes Enactment of Standards Act, 351–52
Applebaum, Edmund L., 171
Application of the Instructional Development Process to a Module on Flowcharting, The, Kazlauskas, 234–44
Arthibliographies Modern, 355–56
Asad, Syed M. (See Raouf)
ASIS Conference on Information★Politics, 264
Atherton, Pauline, 354
Atkinson, Hugh: *The Electronic Catalog*, 61–65
Atwood, Ruth, 180
Authority files, 55, 149, 150–52, 173
  Library of Congress data, 57, 173
Automated Authority Subsystem at the National Library of Canada, The, Buchinski, Newman, and Dunn, 279–98
Automated Network Catalog Products and Services, Freedman, 145–55
Automated Process Information File (APIF) Project, 173
Automated Serials Control: Cataloging Considerations, Sauer, 8–18
Automated Text Editing: the State of the Art and Its Implications for Libraries, Saffady, 101–16
Avram, Henriette, 174
Automatic Data Processing, Cyphernetics Division, 79
Automatic field recognition, use of ISBD, 138–39

BALLOTS, 146
Basic Statistics for Librarians, Simpson (Review), 182
Batty, C. D., 184
Bibliographic control, conference, 266–67
Bibliographic searching, 210–21
Bibliographic standards, 20–26
BIBNET, 147–48
BioSciences Information Service (BIOSIS), 178
Book catalogs, 149–52
Bookstein, Abraham, 182
Bourne, Charles P. (See Legard)
Bourne, Charles P.: *Initial Article Filing in Computer-Based Book Catalogs*
  comment, by Theodore C. Hines, 75–76
  letter, from Hans H. Wellisch, 358–59
Bowker, R. R., Company, 14, 27
Bierman, Ken: *The Future of the Catalog in American Libraries*, 65
  See also *JOLA*, 8, 277–98
Brodart, Inc., 357
Brong, Gerald R., 83, 182
Buchinski, Edwin J., Newman, William L., and Dunn, Mary Joan: *The Automated Authority Subsystem at the National Library of Canada*, 279–98
Building a Serials Key Word Index, Crawford, 34–47
Butler, Brett: *State of the Nation in Networking*
  letter, from Bela R. Hatvany, 81

Cable television, 299–317
  regulation, 264–65, 303–07
  technology, 300–03
Cable Television: Promise versus Regulatory Performance, 264–65
Carter, Bradley D. (See Foil)

Cartridge tape, 109
Cassette tape recorders, 265
Cassettes, 108–9
Catalog Code Revision Committee, 22–23, 30–32
Catalog: Its Nature and Prospects, The, Ganning, 48–66
Cataloging, audiovisual materials, 265
  choice of entry, 49
    serials, 16–18, 49
  non-research libraries, 49–51
Cataloging rules, 48–50
Catalogs, models, 51–52
  on-line, 51–56
    costs, 146–47
    Library of Congress, 59
    Ohio State University, 61–65
  physical format, 65
  user aspects, 49, 59–61
CATV and Its Implications for Libraries, Thomassen (Review), 181–2
Checkpoint circulation system, 226, 232
Chemical Abstracts Service, 178
  contract with National Library of Medicine, 80–81
CHEMLINE, 80–81
Circulation by mail, simulation, 117–36
Circulation systems, 79–80, 222–33, 267–8
  networking, 81
Classification numbers, frequency analysis of MARC monographic data base, 94–99
CLENE, 250–1
CLSI LIBS 100, 81, 223, 226, 232–33, 268
COMARC, 56–57, 174
Communicating word processors, 261–62
Communications terminal, 268–69
Computer assisted instruction, bibliography, 356–57
Computer-based reference services, 175, 226, 335–50
  costs, 195–209
  request procedure, 198–200
  staffing, 200–1
  user charges, 180
Computer output microforms (COM), 152–54, 179
  library applications, 177
  readers, 153–54
Computer Simulation: A Tool for Analysis of Library Service, Reed, 117–36
Computer-to-computer communication, 114, 167–71, 257–58
Computerized Networks among Libraries and Universities; An Administrator's Overview, Mayhew (Review), 271–72
Computers and Early Printed Books (Review), 183–84
Computext, 106
CONSER, 13, 28–30, 174
  Agreed Upon Practices, 28–30
Continuing education, satellite network, 266
Control Data Corporation, 267
Cooper, Michael D. and DeWath, Nancy A.: *The Cost of On-Line Bibliographic Searching*, 195–209
Corporate authorship, 17–18
Cost of On-Line Bibliographic Searching, The, Cooper and DeWath, 195–209
Council on Library Resources (CLR), 353–54
Crawford, Walter C.: *Building a Serials Key Word Index*, 34–47
Cyphernetics Division, 79

Data bases, integrated searching, 77
Data Element Statistics for the MARC II Data Base, Williams and Shefner, 89–100
Data interchange, 270
Data processing extension course, 357
Davis, Charles H.: *Illustrative Computer Programming for Librarians: Selected Examples for Information Specialists* (Review), 82
Delivery service, simulation, 117–36
Descriptive cataloging, 50
DeWath, Nancy A. (See Cooper)
Dewey Decimal classification, frequency analysis of MARC monographic data base, 94–96
DIALOG, 195–209, 335–36, 355–56
Duchesne, Roderick M., 185
Dunn, Mary Joan (See Buchinski)

Eastern Illinois University, 328–30
Educational Media and Technology Conference, 11th, Menomonie, 179
Electronic Typing System, 105–6, 111
Elias, Arthur W., 178
Engineering Index, 77, 178
EURONET, standard command language (proposed), 178

Farewell to Alexandria, Gore, ed. (Review), 272–73

Fasana, Paul: *Serials Data Control: Current Problems and Prospects*, 19–33
Federal Communications Commission, *Notice of Inquiry and Proposed Rule Making for ITFS*, 259–61
Filing, computer, 75–76
Filing, implications of ISBD and ISDS, 140–43
Fischer, Mary L.: *ISAD/LC Institute on Processing and Automation*, 171–74
FLOSIM, 122
Flowcharting, instruction, 234–44
Foil, Patti Sue, and Carter, Bradley D.: *Survey of Data Collection Systems for Computer-Based Library Circulation Processes*, 222–33
Freedman, Maurice J.: *Automated Network Catalog Products and Services*, 145–55
Future of Cable Communications in Libraries, The, Kenney, 299–317

Ganning, Mary Kay Daniels, 172–3
Ganning, Mary Kay Daniels: *The Catalog: Its Nature and Prospects*, 48–66
Gattone, Dean R., 359
Gaylord Brothers, Inc. circulation system, 79
Godwin, James, 173
Gore, Daniel, ed.: *Farewell to Alexandria: Solutions to Space, Growth and Performance Problems of Libraries* (Review), 272–3

Hatvany, Bela R., 81
Hennepin County Library, 151–52
Hines, Theodore C.: *Initial Articles; Computer Filing; Networks*, 75–76
Historical Abstracts, 355–56
Holmes, Robert R., 172
Hoover, Ryan E.: *Patron Appraisal of Computer-Aided On-Line Bibliographic Retrieval Services*, 335–50
How to Work with the Administration, Martin (Editorial), 87–88
Howard, Joseph H., 171–2

IBM 357, data collection device, 223, 230–31
IBM 360/50, computer, 331
IBM 360/75, computer, 90
IBM 1030, data collection device, 223, 226, 231–32
IBM Mag Card system, 106–7, 110
IBM MT/ST, 101, 103, 105, 107
IBM System/7, 78, 223, 233
Identicon Corporation, 78
Illinois State Library, 81
Improved Title Word Search Key for Large Catalog Files, An, Legard and Bourne, 318–27
Information Dynamics Corp. (IDC), 147–48, 152, 357
Information processing, meetings, master calendar, 78
Information Processing Language (IPL), 79
Information Service Institute, 266
Initial articles, computer filing, 40, 75–76
  Hebrew, 358–59
  transliterated, 358–59
  Yiddish, 358–59
Initial Articles; Computer Filing; Networks, Hines, 75–76
INSPEC, 178, 267
Instant Response Ordering System, 357
Institute for Computer Sciences and Technology, 270
Institute for Scientific Information, 78–79
Institute on the Catalog—Its Nature and Prospects (summary presentations), 48–66
Institution of Electrical Engineers, Library, *Microprocessor Applications Bibliography*, 269
Instructional development model, 234–44
Instructional Television Fixed Service (ITFS), 259–61
Integrated searching of data bases, 77
International Resource Development, Inc., *Communicating Word Processors*, 261–2
IPL, 79
ISAD, 193–94
  budget, 3–5, 157, 159, 247, 251–52
  bylaws, proposed amendments, 73–74
  membership, 164, 248–49
  relationship to ALA, 3–7, 166
  role in NCLIS, 162–63
ISAD Audiovisual Section, bylaws, 67–71
  preconference, 250
ISAD Board of Directors: *Highlights of ISAD Board Meetings*, 156–66, 245–58
ISAD Bylaws and Organization Committee, 156, 160–62, 253–57
ISAD COLA Discussion Group, 245–46
ISAD Editorial Board, 165–66

ISAD Industry-Library Relations Committee, 159–60, 166, 177
ISAD/LC Institute on Processing and Automation, 171–74, 250, 263
ISAD/LED Committee on Education for Information Science Symposium, 249–50
ISAD MARC Users Discussion Group, 164, 245–46
ISAD Membership Recruitment Task Force, 158–59
ISAD Program Planning Committee, 157, 163, 250
ISAD Representative to ALA Legislative Assembly, 158, 257
ISAD Telecommunications Committee, 167–68, 252–53, 257–58
ISAD Video and Cable Communications Section, 193–94, 258
  bylaws, 71–72
ISAD and ALA: A Gap Becomes a Chasm, Martin (Editorial), 3–5
ISBD, 49
  automatic format recognition, 137–40
  filing, 140–43
ISBD (G), 9–10, 143
ISBD(M), 21, 137–40
ISBD(S), 8–11, 22–26, 137–43
ISDS, 12–18, 24, 26–27, 137, 140–43
  filing, 140–43
ISDS, ISBD(S) and ISBD(M) as Cataloging Aids, Vervliet, 137–44
ISSN, 12–15, 24–25
ISSN/Key Title Register, 14

Jones, Carole B. (See Rao)
Journal of Library Automation, 165–66
  advertising, 164, 247–48

Kazlauskas, Edward John: *The Application of the Instructional Development Process to a Module on Flowcharting*, 234–44
Kellogg Foundation, 265
Kenney, Brigitte L.: *The Future of Cable Communications in Libraries*, 299–317
Kenney, Brigitte L., and Esteves, Roberto: *Video and Cable Communications, Guidelines for Librarians*, 264
Kent State University, 265–6, 353
Key word index, 35–47, 356
  acronyms, 37–38
  costs, 39, 47
  cross-references, 36, 38
  exclusions, 37
  format, 41–45
  phrase recognition, 36–37
  sorting, 39–41
Key system (computer programs), 45–47
Kilgour, Fred: *Innovative Concepts of Bibliography in an Automated Catalog*, 51–53
KLIC indexes, 99–100
Kniemeyer, Justin, 173
KWIC indexes, 35
KWOC indexes, 99

Lane Telecommunications, Inc., 268–69
LeClercq, Angie: *The Video Industry: Equipment, Software, and Library Applications* (Library Technology Report), 265
Legard, Lawrence K., and Bourne, Charles P.: *An Improved Title Word Search Key for Large Catalog Files*, 318–27
Library automation, 87–88
  bibliography, 178
Library Automation Discussion Group, 164
Library Automation Systems, Salmon (Review), 272
Library Automation; the State of the Art II, Martin and Butler (Review), 184
Library Networks '74–75, Miller (Review), 185
Library of Congress, automated catalog, 59, 172, 174
  book processing system, 78, 173
  cooperative cataloging, 171–72
  role in networks, 58–59, 171, 174
Library of Congress, Descriptive Cataloging Division, Audiovisual Section, 265
Library of Congress classification, frequency analysis of MARC monographic data base, 94–99
Library of Congress Subject Headings, 50–51, 57–58
Light pens, 78
Linolex Word Processor, 105, 107, 111–13
Little Navel Examination, A, Rosenthal (Editorial), 193–94
Lockheed Information Systems, 78–79, 196
Louisiana Numerical Register, 153

Lubetzky, Seymour: *Ideology of Bibliographic Cataloging: Progress and Retrogression*, 48–49

McNulty, K. K., Jr., 82–83
Magnetic cards, 108
Mail circulation, simulation, 117–36
Malinconico, S. Michael, 174
The Use of Automation to Maintain a Catalog and to Guarantee its Integrity, 53–56
MARC computer programs, 45–47, 172–73
MARC Distribution Service, 56–57
MARC II format, 20–21
MARC II monographic data base, statistics, 89–99
subject augmentation, 353–54
title search keys, 318–27
title word frequencies, 322–26
Markuson, Barbara Evans: *Automated Circulation Control Systems; an Overview of Commercially Vended Systems* (Library Technology Reports), 79–80
Marshall, Joan: *The Catalog in the World around It*, 49–51
Martin, Murray S.: *Truth in Packaging, or How to Work with the Administration* (Editorial), 87–88
Martin, Susan K.: *ISAD and ALA: A Gap Becomes a Chasm* (Editorial), 3–5
Martin, Susan K., and Butler, Brett, eds.: *Library Automation; the State of the Art II* (Review), 184
Maruyama, Lenore S., 174
Master calendar of meetings in the information processing field, 78
Mayhew, Lewis B.: *Computerized Networks among Libraries and Universities; An Administrator's Overview* (Review), 271–2
Micro Net, 268–9
Micrographic Catalog Retrieval System (MCRS), 152, 357
Microprocessor applications, bibliography, 269
Miller, Martin R., ed.: *Library Networks '74–'75* (Review), 185
Modern art, data bases, 355–56
Mohawk Data Sciences 4400 Data Collection System, 223, 226, 231
Multiple regression, 210–21

National Bureau of Standards, Institute for Computer Sciences and Technology, see
Institute for Computer Sciences and Technology
National Commission on Libraries and Information Science (NCLIS), 58, 162–63, 165, 269–70
network protocol (proposed), 257–58, 270
National Computer Conference, 1976, 80
National Library of Medicine, contract with Chemical Abstracts Service, 80–81
National Science Foundation, Division of Science Information, 174–76
Protocol for Computer-to-Computer Communication (Notes), 167–76
National Serials Data Program (NSDP), 12–14, 26–27, 30, 174
National Technical Information Service, 77
Network protocol, 167–71, 257–58
Networking, 270
cable systems, 299–317
conference, 269
role of Library of Congress, 58–59
text-editing systems, 113–14
New York Film and Video Bureau, *Video Resources in New York State* (Review), 83
New York Public Library, 150–52
Newman, William L. (See Buchinski)
North Suburban Library System, 81

Ohio College Library Center (OCLC), 51–53, 145–46, 148–49, 265
title search key, 318–27
videotapes, 353
Ohio State University, 61–65, 146
Olivetti S-14 Mastermind, 104, 110–11
On-line ordering of documents, 175–76
On-Line Review, 354–55
Open Letter to Members of ISAD, An, Wedgeworth (Editorial), 6–7
Optical scanning hardware, Library of Congress, 78
ORBIT, 335–36, 353–54

Patron Appraisal of Computer-Aided On-Line Bibliographic Retrieval Services, Hoover, 335–50
PDP 8/E minicomputer, 106

Pennington, Jerry G., 82
Performance Prediction Model for Bibliographic Search for Monographs Using Multiple Regression Technique, A, Raouf, Ahmed, and Asad, 210–21
Photocomposition, 114, 151
  typefaces, 42
Photocopying clearinghouse (proposed), 175–76
PL/1, 47, 90, 331
Project LOC, 183–84
Proposed New FCC Rulemaking Proceeding on Instructional Television Fixed Service (ITFS), 259–62
Protocol for computer-to-computer communication, 167–76
Public Service Satellite Consortium (PSSC), 266
Pulsifer, Josephine, 173

Rao, Paladugu, and Jones, Carole B.: *System to Manage Reserve Texts (SMART)*, 328–34
Raouf, Abdul, Ahmed, Feroz, and Asad, Syed M.: *A Performance Prediction Model for Bibliographic Search for Monographs using Multiple Regression Technique*, 210–21
Rather, John, 174
Rather, Lucia J., 172, 174
Reed, Mary Jane Pobst: *Computer Simulation: A Tool for Analysis of Library Service*, 117–36
Research Libraries Group, 59
Reserve collection control system, 328–34
Roberts, Justine, 358
Roland, Barbara, 172
Rosenthal, Joseph A.: *A Little Navel Examination* (Editorial), 193–94

Saffady, William: *Automated Text Editing: the State of the Art and Its Implications for Libraries*, 101–16
Salmon, Stephen R.: *Library Automation Systems* (Review), 272
San Jose Public Library, 267–68
Satellite network for continuing education, 266
Sauer, Mary: *Automated Serials Control: Cataloging Considerations*, 8–18
Schwarz, Philip, 356
Science and technology, data bases, 77
Science Citation Index, 78–79
Scientific and technical information, user education, 178
Scilken, Marvin: *The Catalog as a Public Service Tool*, 59–61
SCISEARCH, 78–79
Selective Annotated Bibliography on Library Networking, A (Review), 271–72
Serials, borrowing, 175
  key title, 14–17, 25, 27
  subscriptions by libraries, 175
Serials cataloging, 8–18
  choice of entry, 16–18
Serials Data Control: Current Problems and Prospects, Fasana, 19–33
Serials Key Word Index, 34–45
Shefner, Gordon J. (See Williams)
Sidereal Corporation, 268–69
Simmons, Peter, 184, 271–72
Simpson, I. S. *Basic Statistics for Librarians* (Review), 182
Simulation of delivery service, 117–36
Singer System Ten, 223, 226, 233
Spectra 70/45, 122
Stanford Union List of Serials, 47
State Library Agencies and the National Plan (Institute), 269–70
Stuart-Stubbs, Basil, 272–73
Subject cataloging, 50–51
Suburban Library System, 81
Superimposition, 29–30
SUPERMARC, 21, 174
Survey of Data Collection Systems for Computer-Based Library Circulation Processes, Foil and Carter, 222–33
System to Manage Reserve Texts (SMART), Rao and Jones, 328–34
Systems Control, Inc., 267–68

Technology Innovation Alert (TINA), 267
Telecommunications, periodicals, 356
Text editing, 101–16
  control units, 106–7
  input devices, 104–6, 261–62
  recording media, 108–9
This Month in Telecommunications, 356
Thomassen, Cora E., ed.: *CATV and Its Implications for Libraries* (Review), 181–2

3M Library Systems, 357
Title search keys, 318–27
Toxicology Information Program, 80–81
TOXLINE, 80–81
Truth in Packaging, Martin (Editorial), 87–88
Typewriters as text input devices, 104–5

UNIMARC, 21, 174
Universal Product Code, use by Library of Congress, 78
University of California, 152, 268
Union Catalog Supplement, 150
University of California, Berkeley, 34
University of California, Los Angeles, 268
University of Utah, 77, 335–37
University of Wisconsin—Extension, 357
University of Wisconsin—Stout, 179

Verona, Eva, 17–18
Vervliet, Hendrik D. L.: *ISDS, ISBD(S), and ISBD(M) as Cataloging Aids,* 137–44
Video and Cable Communications, Guidelines for Librarians, Kenney and Esteves, 264
Video Bluebook, 77–78
Video Industry: Equipment, Software, and Library Applications, The, LeClerq (Library Technology Report), 265
Video Resources in New York State (Review), 83
Videocassettes, 77
Videotype I, 105–6, 112
Voluntary Standards and Certification Act, 351–52
Vrooman, Hugh T., 132
Vydec Editor, 105–7, 109

Wang System 1200, 107, 110–11, 114
Wang System 1222, 104, 106
Washington (State), 117–36
Washington Library Network, 263–64
Wedgeworth, Robert: *An Open Letter to Members of ISAD* (Editorial), 6–7
Wellisch, Hans H., 358–59
Welsh, William J., 171
The Continuing Role of the Library of Congress in the Future of the Catalog, 56–59
Wessel, Andrew E.: *Computer/Aided Information Retrieval* (Review), 82–83
West, Martha W., 178, 180
Williams, Martha E., and Shefner, Gordon J.: *Data Element Statistics for the MARC II Data Base,* 89–100